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Name of Applicant: SUN MICROSYSTEMS, INC.
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Assistant Commissioner for Patents
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**REVOCATION AND SUBSTITUTION
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36**

Dear Sir:

Pursuant to 37 C.F.R. §1.36, Sun Microsystems, Inc., the assignee of the eleven patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the eleven patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the eleven patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 32615

Please direct all correspondence and telephone calls concerning the eleven patent applications listed on the attached APPENDIX A to:

Jonathan P. Osha
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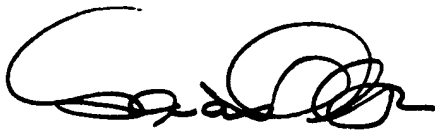
The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title, and interest in the eleven patent applications listed on the attached APPENDIX A by virtue of a chain of title from the inventors

of the eleven patent applications listed on the attached APPENDIX A to the above-identified assignee.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the eleven patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature:



Dated:

August 8, 2002

Name:

Kenneth Olsen

Title:

Vice President

Intellectual Property Law

Sun Microsystems, Inc.

APPENDIX A

1. Utility Patent Application No. 09/977,507

Applicant(s): David S. Allison

Title: Stream Operator In A Dynamically Typed Programming Language

Filing Date: October 12, 2001

Reel/Frame: 012266/0693

2. Utility Patent Application No. 09/977,508

Applicant(s): David S. Allison

Title: Method And Apparatus for Extending A Program Element In A Dynamically
Typed Programming Language

Filing Date: October 12, 2001

Reel/Frame: 012268/0260

3. Utility Patent Application No. 09/977,512

Applicant(s): David S. Allison

Title: A Method And Apparatus For Runtime Binding Of Object Members

Filing Date: October 12, 2001

Reel/Frame: 012268/0172

4. Utility Patent Application No. 09/977,513

Applicant(s): David S. Allison

Title: Method And Apparatus For Determining Runtime Size And Type Information
In Dynamically Typed Languages

Filing Date: October 12, 2001

Reel/Frame: 012266/0661

5. Utility Patent Application No. 09/977,516

Applicant(s): David S. Allison

Title: Method And Apparatus For Unifying The Semantics Of Functions And Classes
In A Programming Language

Filing Date: October 12, 2001

Reel/Frame: 012268/0198

6. Utility Patent Application No. 09/977,521

Applicant(s): David S. Allison

Title: Method And Apparatus For Providing An Iteration Operator For An
Object Instance In A Dynamically Typed Language

Filing Date: October 12, 2001

Reel/Frame: 012268/0273

7. Utility Patent Application No. 09/977,526

Applicant(s): David S. Allison

Title: Method And Apparatus For Dynamic Configuration Of A Lexical
Analysis Parser

Filing Date: October 12, 2001

Reel/Frame: 012268/0154

8. Utility Patent Application No. 09/977,527

Applicant(s): David S. Allison

Title: Method And Apparatus For Statement Boundary Detection

Filing Date: October 12, 2001

Reel/Frame: 012268/0152

9. Utility Patent Application No. 09/977,715

Applicant(s): David S. Allison

Title: Method And Apparatus For Communication To Threads Of Control Through
Streams

Filing Date: October 12, 2001

Reel/Frame: 012267/0435

10. Utility Patent Application No. 09/977,717

Applicant(s): David S. Allison

Title: Method And Apparatus For Deriving Functions From Other Functions In A
Programming Language

Filing Date: October 12, 2001

Reel/Frame: 012267/0444

11. Utility Patent Application No. 10/016,806

Applicant(s): Nyles I. Nettleton

Title: Nested Carbon Nanotubes As An Inter-Module Interface

Filing Date: October 30, 2001

Reel/Frame: 012386/0963

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